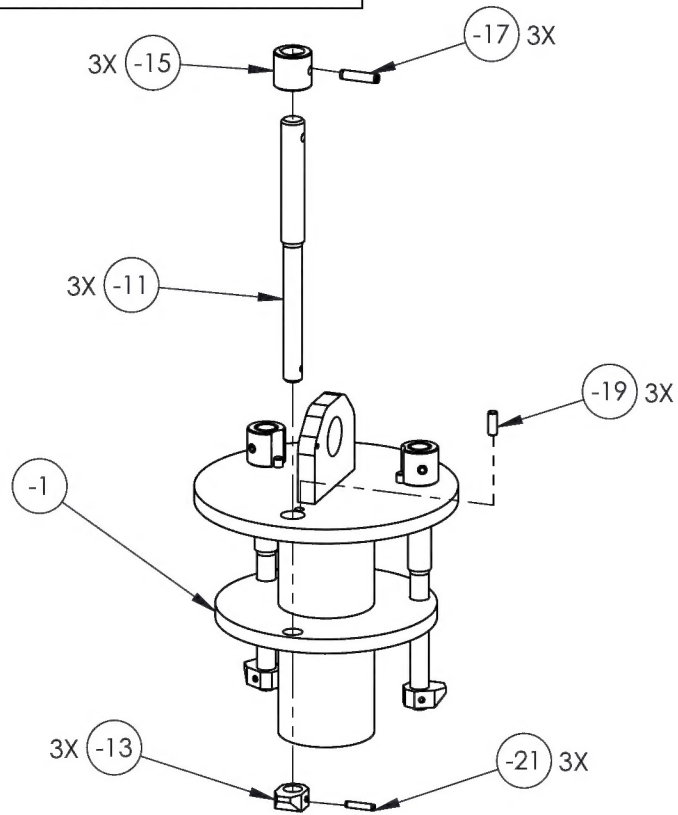
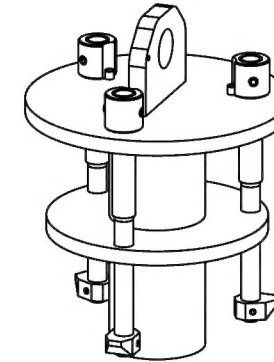


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



**UNDER REVIEW**  
URF 19-1024 19.10.28 (VM)



ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		-1	1	WELDMENT			2
	1		-3		TOP PLATE	A36 P & O	5/16 X Ø5-5/8	3
	1		-5		MID PLATE	A36 P & O	5/16 X Ø4-3/4	4
	1		-7		TUBE	DOM	Ø2.0 X .083 WALL X 5-3/8	5
	1		-9		TAB	A36 P & O	3/8 X 2 X 2-1/2	6
			-11	3	ROD	SP	Ø1/2 X 6	7
			-13	3	FOOT	A36	3/8 X 5/8 X 1	8
			-15	3	KNOB	1018	Ø7/8 X 3/4	9
		B/O	-17	3	SPRING PIN	S.S.	Ø3/16 X 13/16 MCMaster-CARR #92383A728	1
		B/O	-19	3	DOWEL PIN	STEEL	Ø3/16 X 1/2 MCMaster-CARR #98381A505	1
		B/O	-21	3	SPRING PIN	S.S.	Ø1/8 X 5/8 MCMaster-CARR #92383A695	1
		B/O	-23	1	DART PLACARD	ALUMINUM	RED BARN #RB41011	NS
		B/O	-25	1	CABLE TAB	ALUMINUM	CARR LANE CL-.129-TAB-A	NS
		B/O	-27	1	#2 DRIVE SCREW	COATED STEEL	3/16 MCMaster-CARR #90081A076	NS
		B/O	-29	1	SPLIT RING	STEEL	Ø1 MCMaster-CARR #90177A228	NS
	ASSY -1							

**NOTE:**

1. REF. EUROCOPTER T/N: 332A 913272.01
2. ENGRAVE PLACARD T/N, S/N, & "MAX. WORKING LOAD 44 LBS."



**RED BARN MACHINE**

TITLE

**SLING, PLANET GEAR**

DWG NO.

**RBE332A91-3272-01**

REV

MAT'L

DRAWN BY:

**GILBERT**

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES

.XXX ± .005 FRACTIONS ± 1/32

.XX ± .01 ANGLES ± 5°

.X ± .1

1. BREAK ALL SHARP EDGES .015 x 45°

OR .015R

2. DIMENSIONAL LIMITS APPLY AFTER

PLATING

APPROVED

*D Weil*

HEAT

TREAT

FINISH

SPEC

USED ON MODEL

**AS332**

SCALE

**1:4**

DATE

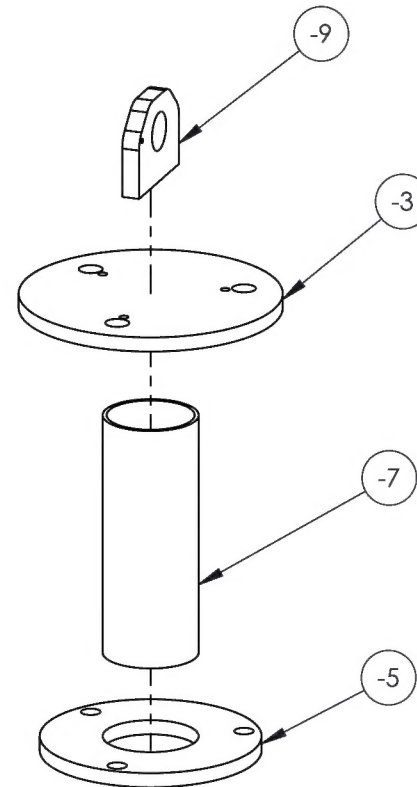
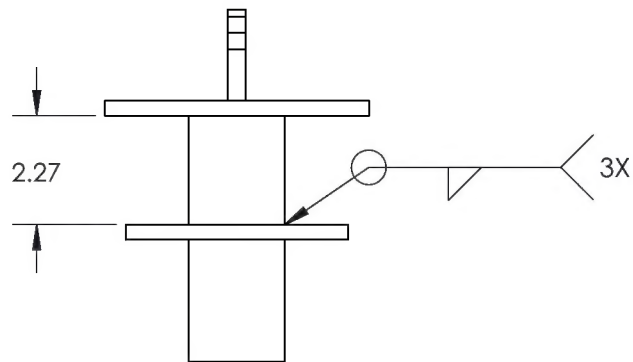
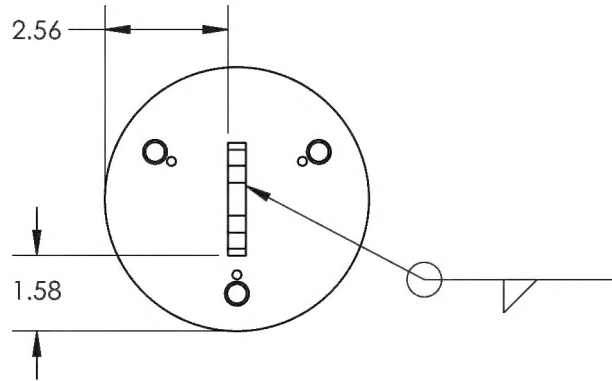
**5/13/2014**

SHEET

**1 OF 10**

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



**UNDER REVIEW**

URF 19-1024 19.10.28 (VM)

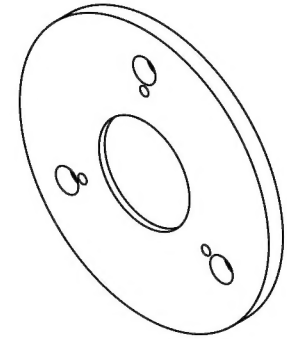
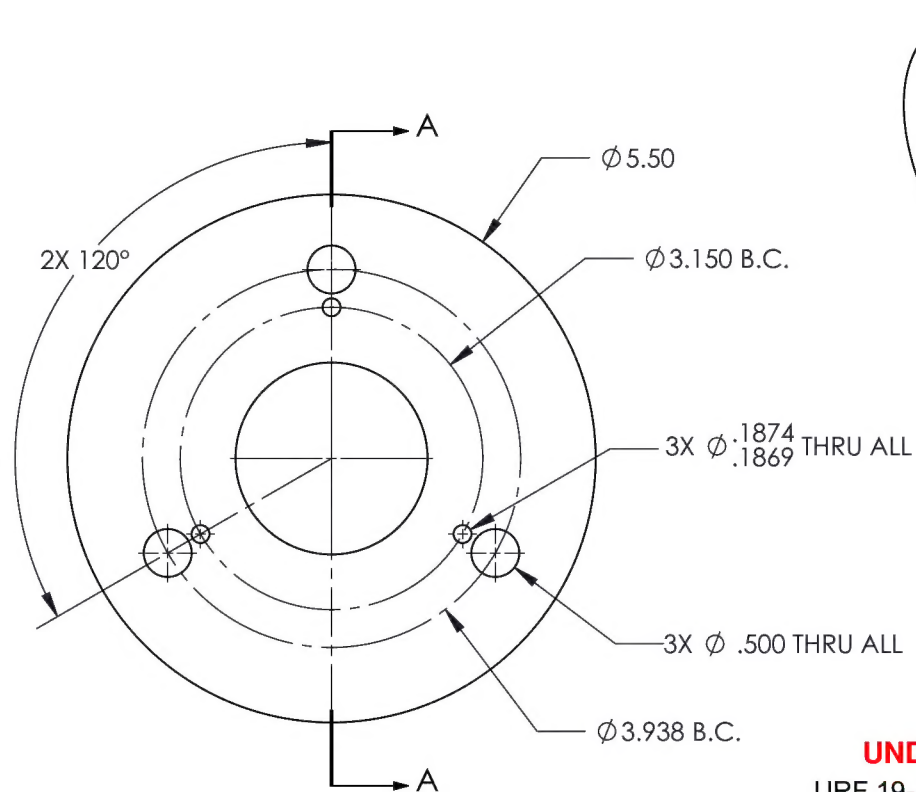
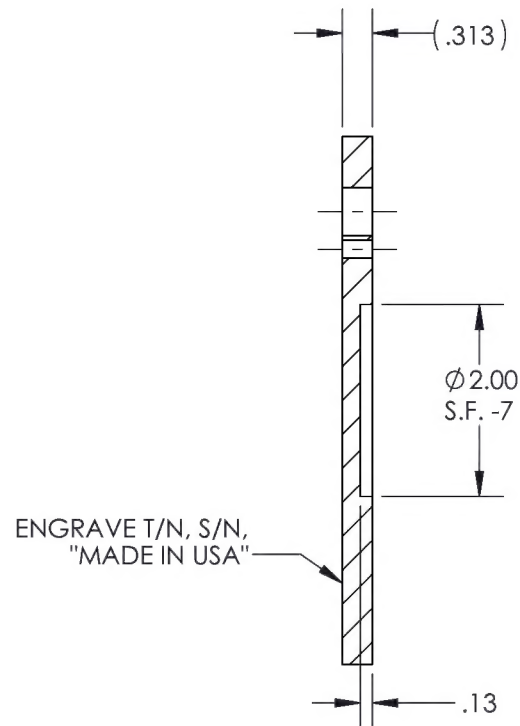
NOTE  
ALIGN HOLES IN PLATE -5 WITH HOLES IN -3.

(-1)  
WELDMENT

<b>RED BARN MACHINE</b>	
TITLE <b>SLING, PLANET GEAR</b>	
DWG NO. <b>RBE332A91-3272-01-1</b>	REV
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1	DRAWN BY: <b>GILBERT</b> APPROVED <i>D Weil</i> HEAT TREAT FINISH NICKEL PLATE SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL <b>AS332</b>
SCALE 1:4	DATE 5/13/2014
SHEET 2 OF 10	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



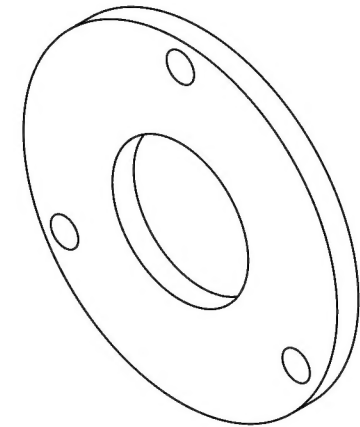
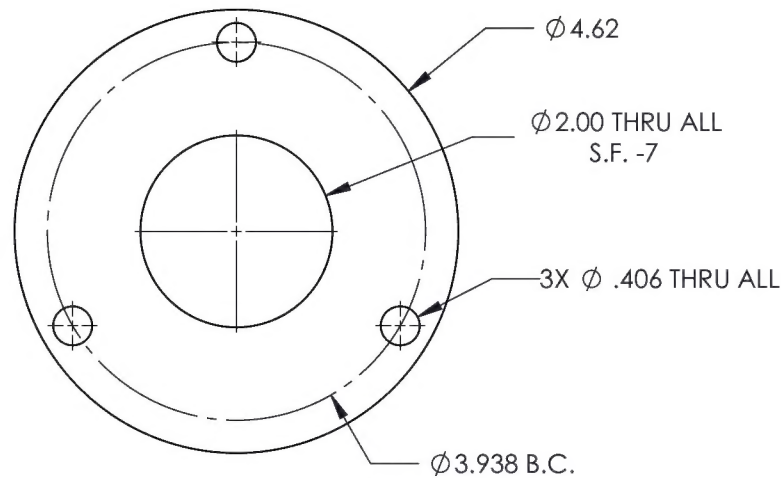
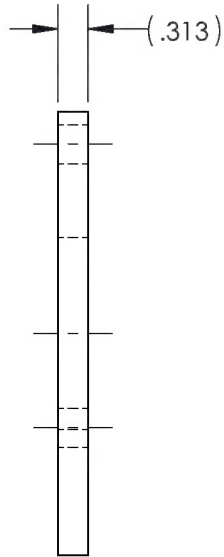
**UNDER REVIEW**  
URF 19-1024 19.10.28 (VM)

(-3)  
TOP PLATE

 <b>RED BARN MACHINE</b>	
TITLE <b>SLING, PLANET GEAR</b>	
DWG NO. <b>RBE332A91-3272-01-3</b>	REV
MAT'L A36 P & O	DRAWN BY: GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX $\pm .005$	HEAT TREAT
.XX $\pm .01$	FINISH SEE -1 WELDMENT
.X $\pm .1$	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AS332
SCALE 1:2	DATE 5/13/2014
SHEET 3 OF 10	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



**UNDER REVIEW**

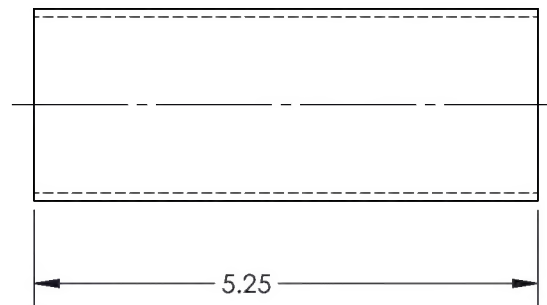
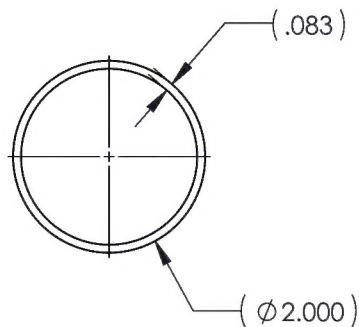
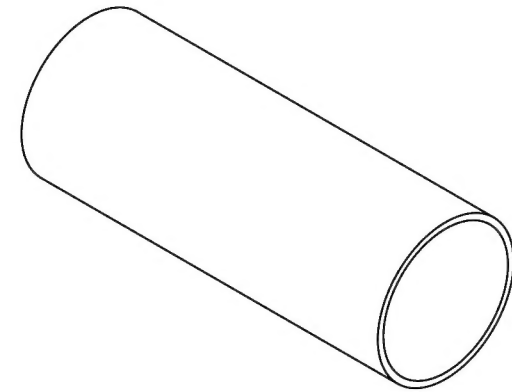
URF 19-1024 19.10.28 (VM)

(-5)  
MID PLATE

 <b>RED BARN MACHINE</b>	
TITLE <b>SLING, PLANET GEAR</b>	
DWG NO. <b>RBE332A91-3272-01-5</b>	REV
MAT'L <b>A36 P &amp; O</b>	DRAWN BY: <b>GILBERT</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX $\pm .005$	FRACTIONS $\pm 1/32$
.XX $\pm .01$	ANGLES $\pm 5^\circ$
.X $\pm .1$	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
APPROVED <i>D Weil</i>	
HEAT TREAT FINISH SEE -1 WELDMENT	
SPEC	
USED ON MODEL <b>AS332</b>	
SCALE <b>1:2</b>	DATE <b>5/13/2014</b>
SHEET 4 OF 10	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



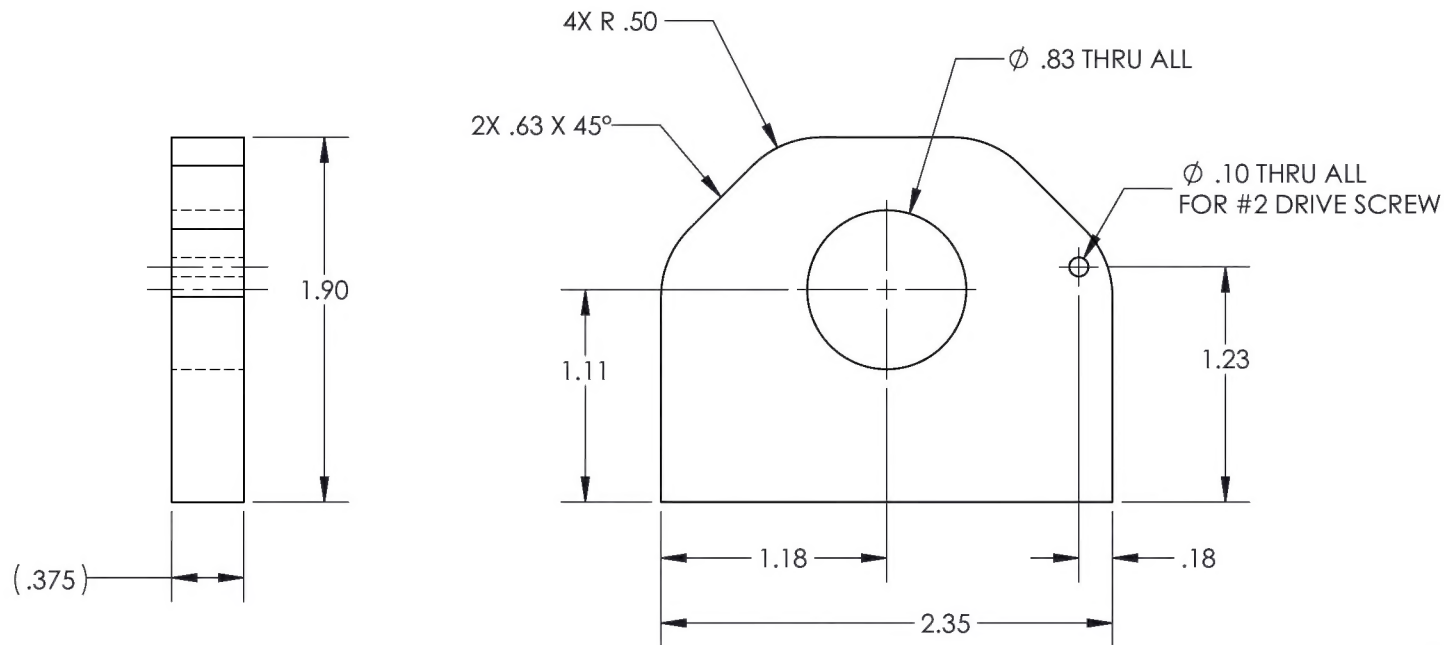
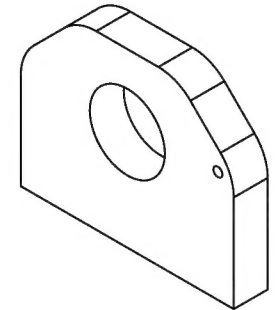
**UNDER REVIEW**  
URF 19-1024 19.10.28 (VM)

(-7)  
TUBE

 <b>RED BARN MACHINE</b>	
TITLE <b>SLING, PLANET GEAR</b>	
DWG NO. <b>RBE332A91-3272-01-7</b>	REV
MAT'L DOM	DRAWN BY: <b>GILBERT</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/32	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH SEE -1 WELDMENT
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AS332
SCALE 1:2	DATE 5/13/2014
SHEET 5 OF 10	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL



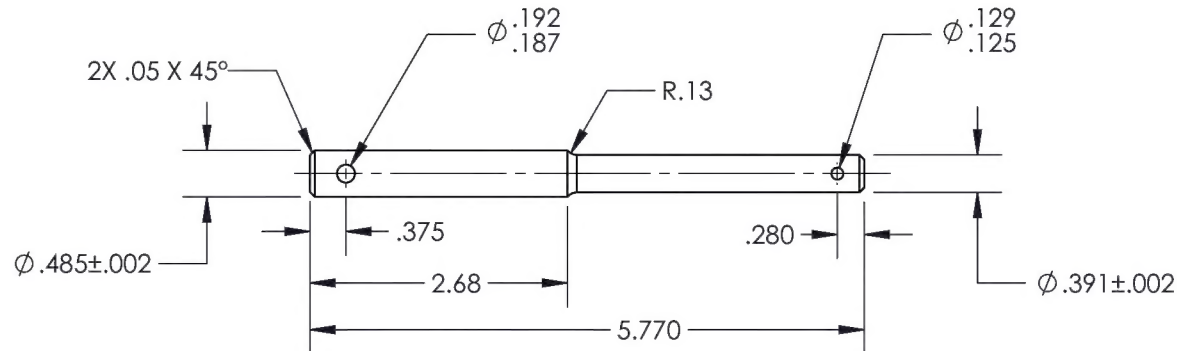
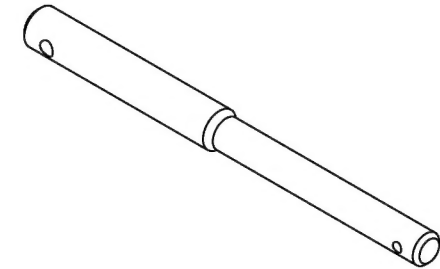
**UNDER REVIEW**  
URF 19-1024 19.10.28 (VM)

(-9)  
TAB

 <b>RED BARN MACHINE</b>	
TITLE <b>SLING, PLANET GEAR</b>	
DWG NO. <b>RBE332A91-3272-01-9</b>	REV 
MAT'L <b>A36 P &amp; O</b>	DRAWN BY: <b>GILBERT</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX $\pm .005$	HEAT TREAT
.XX $\pm .01$	FINISH SEE -1 WELDMENT
.X $\pm .1$	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AS332
SCALE <b>1:1</b>	DATE <b>5/13/2014</b>
SHEET 6 OF 10	

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REV	DESCRIPTION	DATE	INITIAL	APPROVED



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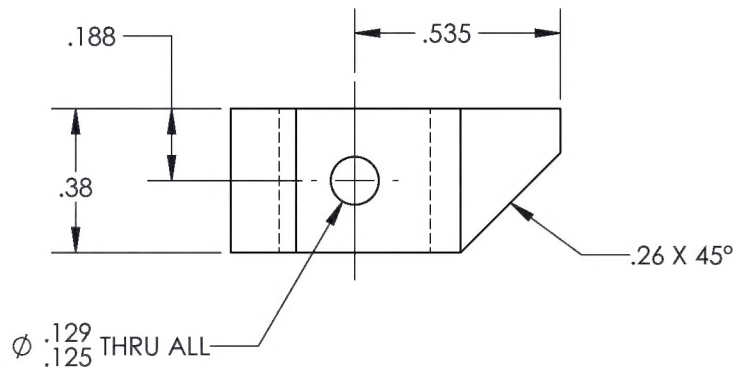
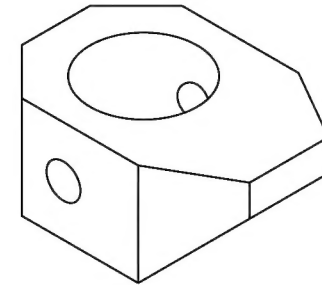
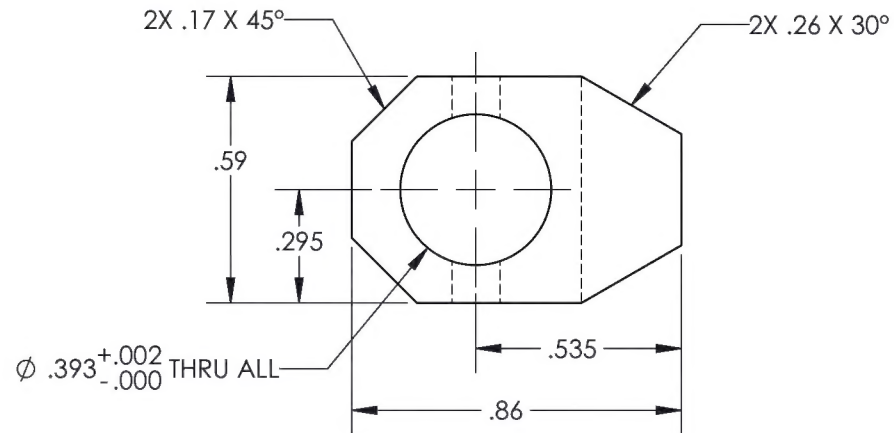
(-11)

ROD

 <b>RED BARN MACHINE</b>	
TITLE <b>SLING, PLANET GEAR</b>	
DWG NO. <b>RBE332A91-3272-01-11</b>	REV
MAT'L SP	DRAWN BY: <b>GILBERT</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH
.X ± .1	NICKEL PLATE
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
SCALE 1:2	AS332
DATE 5/14/2014	SHEET 7 OF 10

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL



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URF 19-1024 19.10.28 (VM)

(-13)

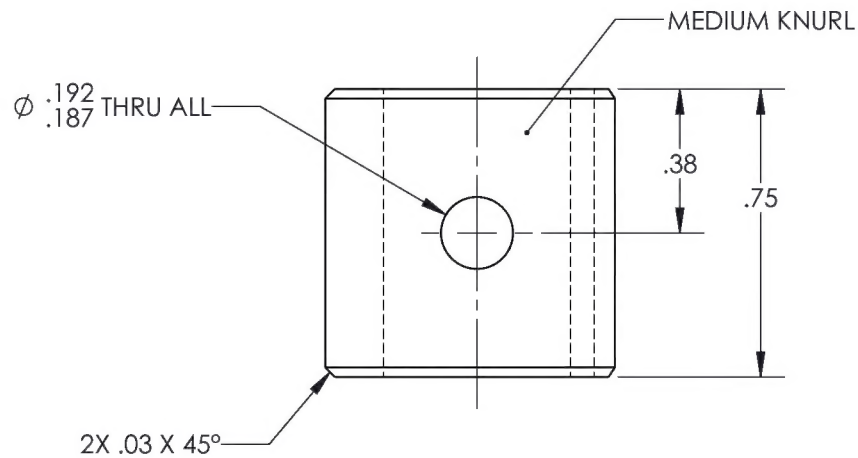
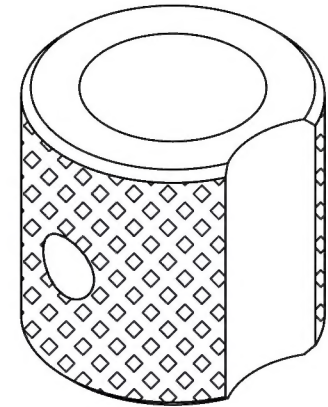
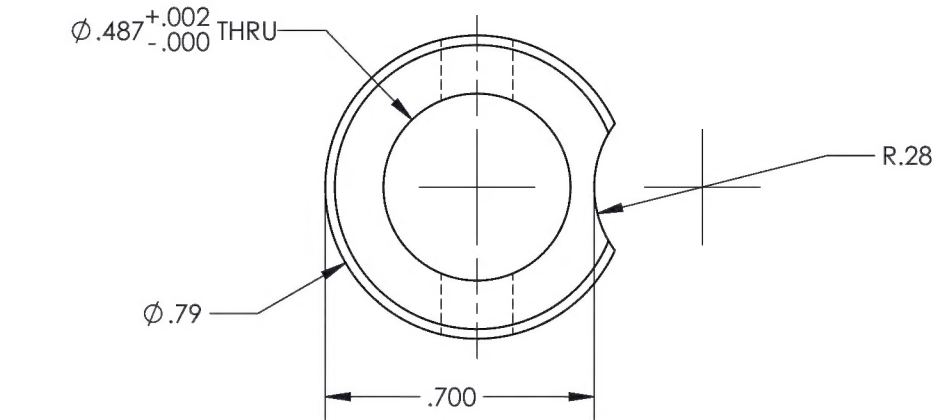
FOOT

 <b>RED BARN MACHINE</b>	
<b>TITLE</b> SLING, PLANET GEAR	
<b>DWG NO.</b> RBE332A91-3272-01-13	<b>REV</b> 
<b>MAT'L</b> A36	<b>DRAWN BY:</b> GILBERT
<b>UNLESS OTHERWISE SPECIFIED</b> DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	<b>APPROVED</b> 
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>HEAT TREAT</b> FINISH NICKEL PLATE <b>SPEC</b> USED ON MODEL AS332
<b>SCALE</b> 2:1	<b>DATE</b> 5/14/2014
<b>SHEET 8 OF 10</b>	




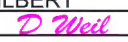
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REVISIONS				
REV	DESCRIPTION		DATE	INITIAL



**UNDER REVIEW**  
URF 19-1024 19.10.28 (VM)

(-15)  
KNOB

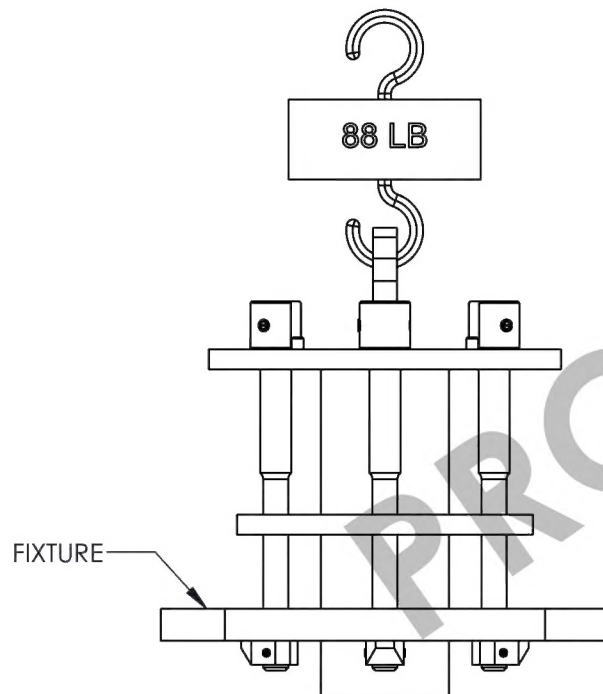
 <b>RED BARN MACHINE</b>	
<b>TITLE</b> SLING, PLANET GEAR	
<b>DWG NO.</b> RBE332A91-3272-01-15	<b>REV</b> 
<b>MAT'L</b> 1018	<b>DRAWN BY:</b> GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1	<b>APPROVED</b> 
FRACTIONS ± 1/32 ANGLES ± 5°	<b>HEAT TREAT</b> FINISH NICKEL PLATE
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>SPEC</b> USED ON MODEL AS332
<b>SCALE</b> 2:1	<b>DATE</b> 5/14/2014
<b>SHEET 9 OF 10</b>	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED

RED BARN MACHINE  
190 S. DANEBO AVE., EUGENE OR. 97402  
(541)344-9953; fax (541)344-3863  
e-mail; sales@redbarn.net

## FIRST ARTICLE WEIGHT TEST



INSPECTION & TESTING PROCEDURES FOR THE RBE332A91-3272-01, SLING, PLANET GEAR. THIS ASSEMBLY IS DESIGNED EXCLUSIVELY FOR HOISTING AND INSTALLING/REMOVING THE PLANET GEAR. THIS ASSEMBLY SHOULD BE INSPECTED BEFORE EACH USE. REPLACE ANY ITEMS THAT ARE DAMAGED OR SUSPECTED OF DAMAGE BEFORE USING!

### FIRST ARTICLE WEIGHT TEST

1. AFTER INSPECTION, PLACE SLING, PLANET GEAR, IN A APPROPRIATE FIXTURE. LIFT USING AN OVERHEAD LIFTING DEVICE, WITH A SCALE ATTACHED. LIFT UNTIL SCALE READS 88 LBS.
2. LIFT WEIGHT FOR AT LEAST 5 MINUTES, CONTINUALLY CHECKING FOR CRACKS, DEFLECTION, OR DISTORTION.
3. REMOVE WEIGHT AND RE-INSPECT SLING, CHECKING FOR STRESS CRACKS, BENDING, OR DISTORTIONS.

INSPECTOR: \_\_\_\_\_

TESTER: \_\_\_\_\_

S.N.: \_\_\_\_\_

DATE: \_\_\_\_\_

**UNDER REVIEW**

URF 19-1024 19.10.28 (VM)

 <b>RED BARN MACHINE</b> 190 S. Danebo Ave., Eugene, OR. 97402 1-541-344-9953 e-mail: sales@redbarn.net dartaerospace.com			
TITLE <b>SLING, PLANET GEAR</b>			
DWG NO. <b>RBE332A91-3272-01</b>	REV	CUSTOMER 1 OF 1	
SCALE 1:3	DATE	SHEET	10 OF 10